

INTERNATIONAL SEARCH REPORT

Inventor's Application No
PCT/DK2004/000186

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/381 A61K31/27 C07C271/28 C07D333/02 C07D213/02
A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; NOMURA, KIMIATSU ET AL: "Heat-developable diazot recording material" XP002290304 retrieved from STN Database accession no. 2001:194676 see RN 329911-95-7 and RN 329911-96-8 abstract & JP 2001 071637 A2 (FUJI PHOTO FILM CO., LTD., JAPAN) 21 March 2001 (2001-03-21)	1,2,4-6, 9,11,12, 18
X	WO 01/07020 A (BOEHRINGER INGELHEIM PHARMA) 1 February 2001 (2001-02-01) page 81; claims; example 92 ----- -/-	1,2,4,6, 9,11,12, 19,21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

29 July 2004

Date of mailing of the international search report

10/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bedel, C

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/DK2004/000186

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	JP 2004 075648 A (FUJI PHOTO FILM CO LTD) 11 March 2004 (2004-03-11) page 14; examples 5-a	1,2,4-6, 9,11,12, 18
X	JP 02 196769 A (HISAMITSU PHARMACEUT CO INC) 3 August 1990 (1990-08-03) page 624; examples 9,10; table 2 & PATENT ABSTRACTS OF JAPAN vol. 0144, no. 75 (C-0770), 17 October 1990 (1990-10-17) & JP 2 196769 A (HISAMITSU PHARMACEUT CO INC), 3 August 1990 (1990-08-03) abstract	1,2,4-6, 9,12,18, 29
X	WO 92/13828 A (YAMANOUCHI PHARMA CO LTD) 20 August 1992 (1992-08-20) page 168 - page 169; examples 51,53,55,56	1-3,6,9, 11,12, 18,25
X	US 6 498 275 B1 (BLOCK MICHAEL H ET AL) 24 December 2002 (2002-12-24) column 111; examples 391-393	1-3,6,9, 11,12,29
X	EP 1 264 820 A (FUJISAWA PHARMACEUTICAL CO) 11 December 2002 (2002-12-11) page 66; example 92 page 14, line 35 - line 40	1-3,6,9, 31-36
A	WO 02/49628 A (WYETH CORP) 27 June 2002 (2002-06-27) the whole document	1,30-36
A	MAIN M J ET AL: "MODULATION OF KCNQ2/3 POTASSIUM CHANNELS BY THE NOVEL ANTICONVULSANT RETIGABINE" MOLECULAR PHARMACOLOGY, BALTIMORE, MD, US, vol. 58, no. 2, August 2000 (2000-08), pages 253-262, XP000972245 ISSN: 0026-895X the whole document	1,30-36

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2004/000186

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-3, 6-27 (partly), 30-36
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 30-36 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 1-3, 6-27 (all partly)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 30-36 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.1

Claims Nos.: 1-3, 6-27 (partly), 30-36

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

Continuation of Box II.2

Claims Nos.: 1-3 ,6-27 (all partly)

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claim(s) may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claim(s) is impossible. The main reason for this overflow was found to be due to the possibility of no substitution in ortho position of the benzamide ring (namely when $s=0$ and $R_2=H$). However, support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is for this possibility nowhere to be found in the description. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds where there is a substitution in ortho of the benzamide ring.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK2004/000186

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2001071637 A2	21-03-2001	JP 2001071637 A	21-03-2001
WO 0107020 A	01-02-2001	DE 19935219 A1	01-02-2001
		AU 6436800 A	13-02-2001
		BG 106343 A	30-08-2002
		BR 0013184 A	01-07-2003
		CA 2378382 A1	01-02-2001
		CN 1414849 T	30-04-2003
		CZ 20020313 A3	12-06-2002
		EE 200200041 A	15-04-2003
		WO 0107020 A2	01-02-2001
		EP 1261321 A2	04-12-2002
		HR 20020072 A2	31-10-2003
		HU 0204373 A2	28-03-2003
		JP 2003518475 T	10-06-2003
		NO 20020374 A	24-01-2002
		SK 2962002 A3	04-06-2002
		TR 200200226 T2	23-09-2002
		US 2002099089 A1	25-07-2002
		US 6362210 B1	26-03-2002
		ZA 200200694 A	01-08-2003
JP 2004075648 A	11-03-2004	NONE	
JP 2196769 A	03-08-1990	JP 7017594 B	01-03-1995
WO 9213828 A	20-08-1992	JP 5163223 A	29-06-1993
		AU 1238792 A	07-09-1992
		WO 9213828 A1	20-08-1992
US 6498275 B1	24-12-2002	AT 262327 T	15-04-2004
		AU 740909 B2	15-11-2001
		AU 4052499 A	20-12-1999
		BR 9910821 A	13-02-2001
		CA 2331685 A1	09-12-1999
		CN 1303281 T	11-07-2001
		DE 69915823 D1	29-04-2004
		DK 1082110 T3	05-07-2004
		EE 200000691 A	15-04-2002
		EP 1082110 A1	14-03-2001
		WO 9962506 A1	09-12-1999
		HU 0103721 A2	29-06-2002
		ID 27531 A	12-04-2001
		JP 2002516854 T	11-06-2002
		NO 20006010 A	26-01-2001
		NZ 507784 A	25-10-2002
		PL 344447 A1	05-11-2001
		SK 18002000 A3	10-05-2001
		TR 200003524 T2	22-10-2001
		US 2004009979 A1	15-01-2004
		ZA 200006645 A	15-08-2002
EP 1264820 A	11-12-2002	AU 4112801 A	24-09-2001
		EP 1264820 A1	11-12-2002
		US 2004087798 A1	06-05-2004
		WO 0168585 A1	20-09-2001
WO 0249628 A	27-06-2002	AU 3112202 A	01-07-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000186

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0249628	A	CA 2431278 A1	27-06-2002
		EP 1343495 A2	17-09-2003
		WO 0249628 A2	27-06-2002
		US 2002111379 A1	15-08-2002